

# Classroom Technology Quick Start

## Amplify Science for grades 6–8

The following recommendations will help to guide your preparation and implementation of Amplify Science in the classroom. Please share this document with all of your science teachers for grades 6 to 8.

### Common classroom setups



#### Limited device access

- The teacher has access to a supported device and a projector
- The teacher has to check out student devices or share with other classrooms
- Devices, when available, are shared between pairs or groups of students



#### The cart/lab model

- The teacher has access to an internet-connected computer or tablet while in class
- Strength of internet connection is sufficient to access a streaming video
- A projector is available
- Students have access to a class set of devices or a computer lab with devices
- Devices are shared between pairs or groups of students



#### The 1:1 model

- The teacher has access to an internet-connected computer or tablet while in class
- Strength of internet connection is sufficient to access a streaming video
- A projector is available
- Each student has their own device available during class

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## Limited device access

### Preparation

Teachers can plan and teach from each unit's print or digital Teacher's Guide. Print Teacher's Guides are included in each unit's kit. We also recommend logging into the digital Teacher's Guide for each unit before beginning that unit in class and downloading all classroom projections, videos, and handouts via the Offline Guide.

### Classroom routines

Using the projector, student-facing resources, like sims, can either be "driven" by the teacher while asking students for input or directives, or students "drive" using the teacher's device.

Students	
If <b>student devices are available infrequently...</b>	If <b>student devices are not available and digital modeling tools are called for...</b>
<p>... teachers should plan to sign out or otherwise acquire devices for the assessment lessons (Pre Unit, Critical Juncture, and End of Unit assessments).</p> <p>If students can take these assessments online, their multiple choice questions are scored automatically, the Reporting feature is populated with data, and student grouping is automated for the lesson after the Critical Juncture.</p>	<p>... teachers should project the modeling tool and allow the students to recreate their models (i.e., the visuals) in their science notebooks, using the projected modeling tool for reference.</p>

## The cart/lab model

### Teacher Preparation

The teacher can plan and teach from each unit's print or digital Teacher's Guide. Print Teacher's Guides are included in each unit's kit. Teachers can refer to each unit's "Materials and Preparation" overview document to see which lessons have activities with student-facing technology.

### Device Preparation

- ❑ Ensure teachers have scheduled a cart or designated computer lab block(s) for science lessons
  - ❑ Supported devices: iPads 5 or more recent models; MacBooks; Windows laptops or desktops; Chromebooks
- ❑ Ensure student devices have the most up-to-date version of the Safari or Chrome browser downloaded
- ❑ Bookmark the Amplify login page: [learning.amplify.com](https://learning.amplify.com)
- ❑ Gather/distribute student login credentials

### Classroom routines

- Most simulation activities are written as partner activities. If pairs or small groups of students are sharing a single device, little to no modifications are needed for the lesson.
- When devices must be shared, if possible, students should rotate on the devices to take their Pre Unit, Critical Juncture, and End of Unit assessments. The assessments generally take between 30 and 45 minutes to complete.

## The 1:1 model

### Teacher Preparation

The teacher can plan and teach from each unit's print or digital Teacher's Guide. Print Teacher's Guides are included in each unit's kit. Teachers can refer to each unit's "Materials and Preparation" overview document to see which lessons have activities with student-facing technology.

### Device Preparation

- ❑ Confirm supported device availability: iPads 5 or more recent models; MacBooks; Windows laptops or desktops; Chromebooks
- ❑ Ensure student devices have the most up-to-date version of the Safari or Chrome browser downloaded
- ❑ Bookmark the Amplify login page: [learning.amplify.com](https://learning.amplify.com)
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### Classroom routines

- Follow instructions as outlined in unit's print or digital Teacher's Guide